

2014

# Truck & Bus Tire Guide



# EU Labeling

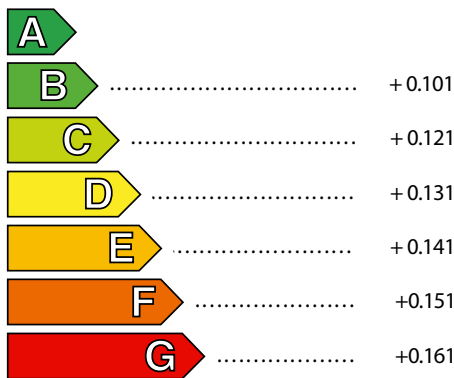
## The new tyre label: for increased transparency and safety

On 1 November 2012, the new EU regulation 1222/2009 on the labelling requirements for motor vehicle tyres comes into effect. The tyre label applies to all new tyres produced after 1 July 2012. The new label will make it easier to identify and compare three important performance characteristics: braking performance in wet conditions, noise levels and fuel efficiency.



### Fuel Efficiency

Fuel Savings depend fundamentally on the vehicle and driving conditions. If a vehicle is fitted all round with Class A tyres as opposed to Class G, fuel consumption can potentially be reduced by up to 20%. This value can be even higher with commercial vehicles.

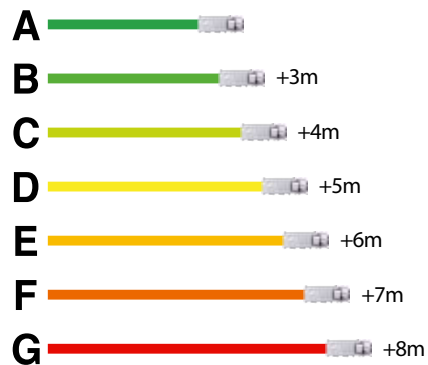


Example(car tyres)  
Litres more over 100 km with an average consumption of 6.6l A(greatest efficiency) to G(least efficiency)



### Wet Grip

The degree of effectiveness depends fundamentally on the vehicle and driving conditions. With full brake application, the braking distance can be shortened by up to 30% on a vehicle fitted all round with Class A as opposed to Class G tyres. On a "normal" car travelling at a speed of 80 km/h, the braking distance on a road surface with average grip can be up to 18m shorter.



Example(car tyres)  
Braking distance from 80 > 0km/h



### External Rolling Noise

The external rolling noise of the tyre is measured in decibels. It should be noted here that the external rolling noise of the tyre does not correlate with the noise in the vehicle interior.

The pictogram with three black stripes means that the external rolling noise of the tyre complies with the EU upper limits that apply until 2016.

Two black stripes indicate that the external rolling noise of the tyre complies with the EU upper limits that apply until 2016 or are up to 3dB below the limit.

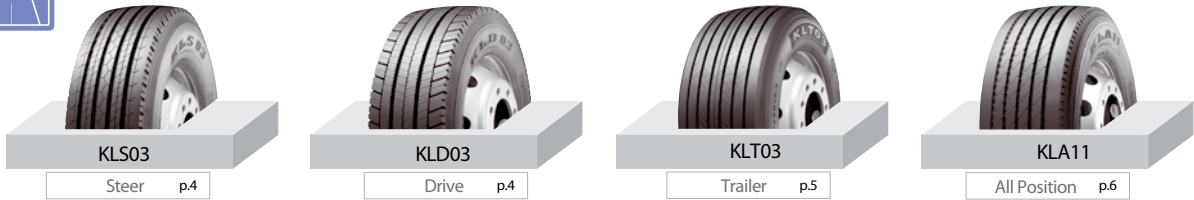
One black stripe indicates that the external rolling noise of the tyre is more than 3dB below the EU upper limits that will apply until 2016.



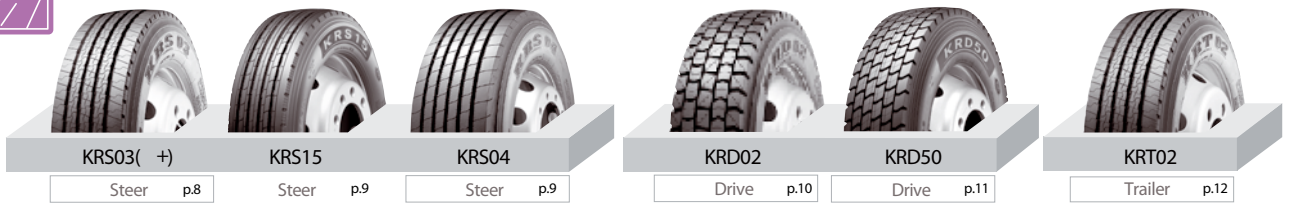
# Pattern Selection Guide



## Long Haul



## Regional



## Mixed Service



## Mixed Service



## City Transit



## Winter



Comfortable Driving In High Speed & Long Time

# Long Haul



## Tire Range & Regrooving data



Long Haul



Regional



City Transit



Mixed Service



Off the Road



Winter

KLS03,  
KLD03, KLT03, KLA11



# KLS03

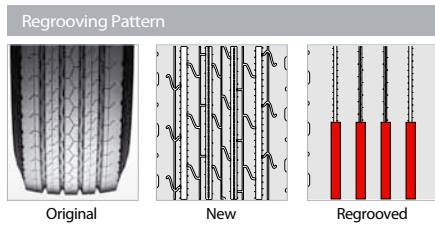


EU Labeling



- Fuel efficient, long haul radial for highway steer axle service
- New tread compound reduces energy consumption

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling			
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"				
Tubeless																			
315/80R22.5	S	156	L	18	9.00	9.75	8.30	120	3750	8270	310	12.2	1074	42.3	14.0	17.6	C	B	69
	D	150							3450	7610									
315/80R22.5	S	156	L	20	9.00	9.75	9.00	130	4080	9000	310	12.2	1074	42.3	14.0	17.6	C	B	69
	D	150							3750	8270									
315/70R22.5	S	154(152)	L	16	9.00	9.75	9.00	130	3550	7830	306	12.0	1015	40.0	13.0	16.4	C	B	69
	D	150(148)	(M)						3150	6940									
315/60R22.5	S	152	L	16	9.00	9.75	9.00	130	3550	7830	320	12.6	950	37.4	13.0	16.4	C	B	69
	D	148					8.65	125	3150	6940									
295/60R22.5	S	150(149)	K	16	9.00	9.75	9.00	130	3350	7390	289	11.4	917	36.1	13.0	16.4	C	C	69
	D	147(146)	(L)						3075	6780									
385/55 R22.5		160	J	20	11.75	12.25	9.00	130	4500	9920	378	14.9	997	39.3	14.5	18.3			



Regrooving Standard			Regrooving Standard		
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
315/80 R22.5	3.0	8.0	295/60 R22.5	3.0	8.0
315/70 R22.5	3.0	8.0	385/55 R22.5	3.0	8.0
315/60 R22.5	3.0	8.0			

Long Haul

# KLD03

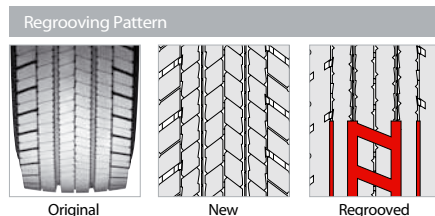


EU Labeling



- Fuel efficient, long haul radial for highway drive axle service
- New tread compound reduces energy consumption

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling			
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"				
Tubeless																			
315/80 R22.5	S	156(154)	L	18	9.00	9.75	8.30	120	3750	8270	308	12.1	1082	42.6	18.0	22.7	C	C	73
	D	150(150)	(M)						3450	7610									
315/70 R22.5	S	154(152)	L	16	9.00	9.75	9.00	130	3750	8270	310	12.2	1025	40.4	18.0	22.7	C	C	73
	D	150(148)	(M)						3350	7390									
315/60 R22.5	S	152	L	16	9.00	9.75	9.00	130	3550	7830	320	12.6	962	37.9	19.0	23.9	D	C	73
	D	148					8.65	125	3150	6940									
295/60 R22.5	S	150(149)	K	16	9.00	9.75	9.00	130	3350	7390	290	11.4	930	36.6	19.0	23.9	D	C	73
	D	147(146)	(L)						3075	6780									



Regrooving Standard			Regrooving Standard		
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
315/80 R22.5	3.0	8.0/6.0	315/60 R22.5	3.0	8.0/6.0
315/70 R22.5	3.0	8.0/6.0	295/60 R22.5	3.0	8.0/6.0

# KLT03

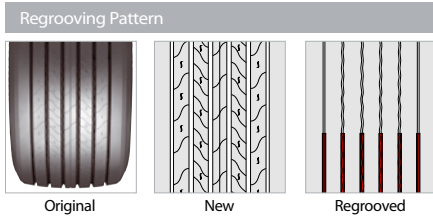


EU Labeling



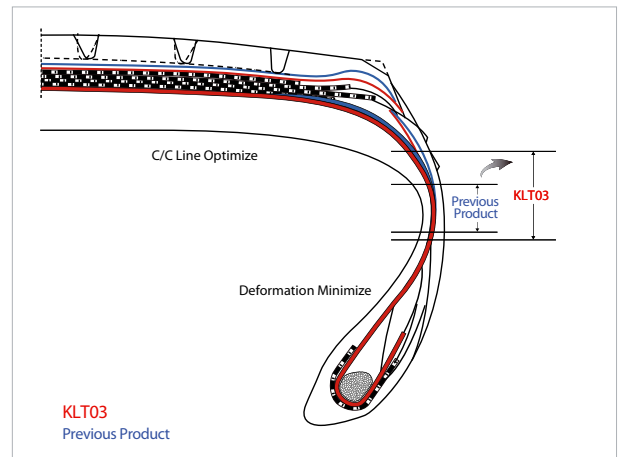
- The high-quality casing construction permits load capacities with high safety reserves
- Wide tread area gives traction performance as well as driving stability

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling		
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
<b>Tubeless(5Ribs)</b>																		
385/55 R22.5	160	J	20	11.75	12.25	9.00	130	4500	9920	378	14.9	999	39.3	14.5	18.3	C	B	74
<b>Tubeless(7Ribs)</b>																		
435/50 R19.5	160	J	20	14.00	-	9.00	130	4500	9920	426	16.8	930	36.6	14.0	17.6	C	B	74
445/45 R19.5	160	J	22	14.00	-	9.00	130	4500	9920	426	16.8	910	35.8	14.0	17.6	C	B	74

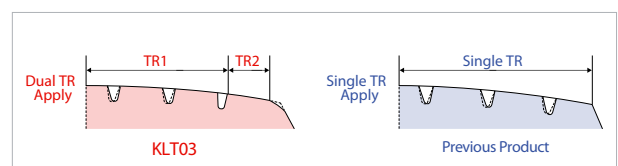


Regrooving Standard					
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
385/55 R22.5	3.0	8.0	435/50 R19.5	3.0	8.0
			445/45 R19.5	3.0	8.0

## Features & Benefits



- Improved Heat Resistance**
- Optimized carcass line reduces heat generation and improves durability



- Optimized Pattern**
- Improved durability by applying heat radiant chamfer
  - Improved water drainage and straight ahead stability with optimized outer groove

- Optimizing Ground Contact Pressure**
- The application of multiple tread radii improves contact pressure distribution to give better mileage performance

# KLA11

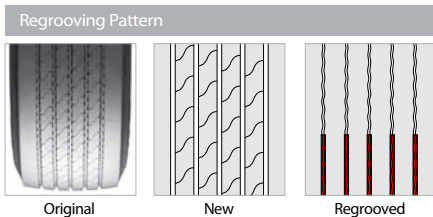


EU Labeling



The high-quality casing construction permits load capacities with high safety reserves  
 - Wide tread area gives traction performance as well as driving stability

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling		
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
<b>Tubeless(5Ribs)</b>																		
425/65 R22.5	165	K	20	12.25	12.25	8.30	120	5150	11400	407	16.0	1127	44.4	15.5	19.5	C	B	70 
385/65 R22.5	158(160)	L(K)	18	11.75	12.25	8.30	120	4250	9370	380	15.0	1074	42.3	15.5	19.5	C	B	70 
385/65 R22.5	160	K	20	11.75	12.25	9.00	130	4500	9920	380	15.0	1074	42.3	15.5	19.5	C	B	70 
<b>Tubeless(6Ribs)</b>																		
445/65 R22.5	169	K	20	14.00	13.00	8.30	120	5600	12300	439	17.3	1160	45.7	15.5	19.5	B	B	70 



Regrooving Standard

Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
425/65 R22.5	3.0	8.0	445/65 R22.5	3.0	8.0
385/65 R22.5	3.0	8.0			

Excellent Mileage Dominate The Road

# Regional



## Tire Range & Regrooving data



Long Haul



Regional



City Transit



Mixed Service



Off the Road



Winter

KRS15, KRS03(+), KRS04,  
KRD50, KRD02, KRT02



















# KRS03 (+) EU Labeling

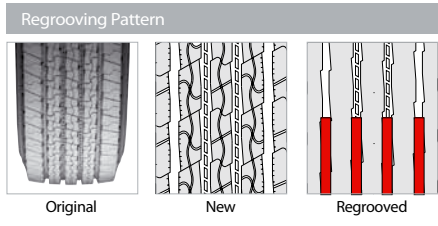
-Wide and deep tread enhances cost per mile performance and driving stability in highway service  
 -Newly applied edge overlap on the end of working belts improves casing durability



Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling		
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			

Tubeless																			
12	R22.5	S 152	M	16	9.00	8.25	8.30	120	3350	7390	292	11.5	1087	42.8	16.8	21.2			
		D 148								3075	6780								
315/80R22.5	S 156(154)	L	18	9.00	9.75	8.30	120	3750	8270	307	12.1	1076	42.4	16.0	20.2				
	D 150(150)	(M)							3350	7390									
315/80R22.5	S 156(154)	L	20	9.00	9.75	9.00	130	4082	9000	307	12.1	1076	42.4	16.0	20.2				
	D 150(150)	(M)							3750	8270									
295/80R22.5	S 152	M	16	9.00	8.25	8.30	120	3550	7830	301	11.9	1052	41.4	15.5	19.5	D	B	74 	
	D 148								3150	6945									
315/70R22.5	S 154(152)	L	16	9.00	9.75	8.65	125	3550	7830	308	12.1	1015	40.0	15.5	19.5	D	C	74 	
	D 150(148)	(M)							3150	6945									
305/70R22.5	S 152	L	16	9.00	8.25	8.30	120	3350	7390	300	11.8	998	39.3	15.0	18.9	D	B	74 	
	D 148								3150	6945									
275/70R22.5	S 148	L	18	8.25	7.50	9.00	130	3150	6945	275	10.8	965	38.0	16.0	20.2				
	D 145								2900	6395									
275/70R22.5	S 148	M	16	8.25	7.50	8.65	125	3150	6945	275	10.8	965	38.0	16.0	20.2	D	B	74 	
	D 145								2900	6395									
315/60R22.5	S 152	L	16	9.00	9.75	9.00	130	3550	7830	316	12.4	949	37.4	13.5	17.0	C	B	74 	
	D 148								3150	6940									
295/60R22.5	S 150(149)	K	16	9.00	9.75	9.00	130	3350	7390	287	11.3	916	36.1	12.7	16.0	C	B	74 	
	D 147(146)	(L)							3075	6780									
305/70R19.5	S 148	M	16	9.00	8.25	8.65	125	3150	6945	305	12.0	924	36.4	15.0	18.9	D	B	74 	
	D 145								2900	6395									
285/70R19.5	S 145	M	16	8.50	7.50	8.60	125	2900	6395	276	10.9	895	35.2	14.0	17.6	D	B	74 	
	D 143								2725	6005									
265/70R19.5	S 140	M	16	7.50	6.75	7.95	115	2500	5510	253	10.0	870	34.3	13.5	17.0	D	B	74 	
	D 138								2360	5200									
245/70R19.5	S 133	M	14	7.50	6.75	7.60	110	2060	4540	242	9.5	848	33.4	14.0	17.6				
	D 131								1985	4375									
245/70R19.5	S 136	M	16	7.50	6.75	8.30	120	2240	4940	242	9.5	848	33.4	14.0	17.6				
	D 127								1750	3860									
225/70R19.5	S 125	L	12	6.75	6.00	6.60	95	1650	3640	222	8.7	810	31.9	13.0	16.4				
	D 123								1550	3415									
225/70R19.5	S 128	L	14	6.75	6.00	7.60	110	1800	3970	222	8.7	810	31.9	13.0	16.4				
	D 126								1700	3750									
9.5	R17.5	S 129	L	12	6.75	6.00	7.80	110	1850	4080	232	9.1	843	33.2	13.0	16.4	E	C	74 
		D 127							1750	3860									
8.5	R17.5	S 121	M	12	6.00	5.25	6.20	90	1450	3195	208	8.2	804	31.7	12.5	15.7	E	B	74 
		D 120							1400	3085									
8	R17.5	S 117	L	10	6.00	5.25	6.60	95	1320	2910	202	8.0	785	30.9	12.5	15.7	E	B	74 
		D 116							1250	2755									
225/80R17.5	S 123	L	14	6.75	6.00	7.00	100	1550	3415	213	8.4	804	31.7	12.5	15.7				
	D 122							1500	3305										
235/75R17.5	S 132	M	14	6.75	7.50	8.00	115	2000	4410	238	9.4	801	31.5	13.5	17.0	E	B	74 	
	D 130							1900	4190										
225/75R17.5	S 129	M	12	6.75	6.00	7.25	105	1850	4080	232	9.1	789	31.1	13.2	16.6	D	C	74 	
	D 127							1750	3860										
215/75R17.5	S 126	M	12	6.00	6.75	7.25	105	1700	3750	216	8.5	775	30.5	12.5	15.7	D	B	74 	
	D 124							1600	3530										
205/75R17.5	S 124	M	10	6.00	5.25	7.50	110	1600	3525	206	8.1	760	29.9	12.5	15.7	D	C	74 	
	D 122							1500	3305										
265/70R17.5	S 138	M	14	7.50	7.50	7.60	110	2360	5205	255	10.0	820	32.3	14.2	17.9				
	D 136							2240	4940										
245/70R17.5	S 136	M	16	7.50	6.75	8.60	125	2240	4940	251	9.9	797	31.4	13.5	17.0				
	D 134							2120	4670										

Tube Type																		
11.00	R22	S 152	K	16	8.00	8.50	8.00	120	3550	7830	292	11.5	1140	44.9	15.0	18.9		
		D 149							3250	7160								



Regrooving Standard					
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
12 R22.5	3.0	3.0	295/60 R22.5	3.0	3.0
315/80 R22.5	3.0	8.0	305/70 R19.5	3.0	8.0
295/80 R22.5	3.0	8.0	285/70 R19.5	3.0	8.0
315/70 R22.5	3.0	8.0	265/70 R19.5	3.0	8.0
305/70 R22.5	3.0	8.0	245/70 R19.5	3.0	8.0
275/70 R22.5	3.0	8.0	225/70 R19.5	3.0	8.0
315/60 R22.5	3.0	8.0	11.00 R22	3.0	8.0

KRS03+

Regional

# KRS15



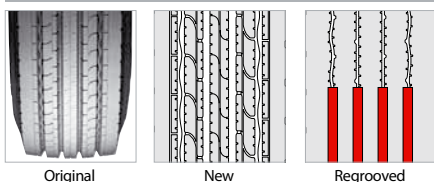
EU Labeling



- Wide-base steer tire for regional service
- Attractive sidewall design with sidewall protector

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling				
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"					
Tubeless																				
12	R22.5	S	152	M	16	9.00	8.25	8.30	120	3350	7390	292	11.5	1087	42.8	17.0	21.4			
		D	148								3075	6780								
11	R22.5	S	148	M	16	8.25	7.50	8.30	120	3000	6610	277	10.9	1053	41.5	16.0	20.2			
		D	145								2725	6005								
315/80R22.5		S	154(156)	M	18	9.00	9.75	8.30	120	3750	8270	310	12.2	1080	42.5	16.8	21.2	C	A	70
		D	150(150)	(L)							3450	7610								
315/80R22.5		S	156	L	20	9.00	9.75	9.00	130	4080	9000	310	12.2	1080	42.5		21.2	C	A	70
		D	150								3750	8270								
295/80R22.5		S	152	M	16	9.00	8.25	8.60	125	3550	7830	299	11.8	1049	41.3	16.5	20.8	C	B	70
		D	148								3150	6945								
245/70R19.5		S	136	M	14	7.50	6.75	7.60	110	2240	4940	245	9.6	849	33.4	15.0	18.9			
		D	134								2120	4675								
245/70R19.5		S	137	M	16	7.50	6.75	8.30	120	2300	5070	245	9.6	849	33.4	15.0	18.9	D	B	70
		D	135								2200	4850								

### Regrooving Pattern



### Regrooving Standard

Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
12 R22.5	3.0	8.0	315/80 R22.5	3.0	8.0
11 R22.5	3.0	8.0	295/80 R22.5	3.0	8.0
			245/70 R19.5	3.0	8.0

# KRS04



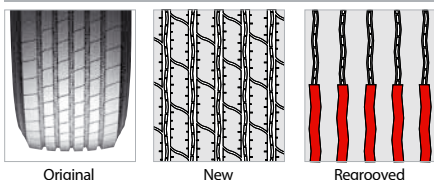
EU Labeling



- Wide, straight 6 rib pattern enhance driving stability and wet traction as well as high mileage
- Wider belt structure and stone protector in grooves improves casing durability, retreadability

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling		
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
Tubeless																		
385/65R22.5	160	K	20	11.75	12.25	9.00	130	4500	9920	378	14.9	1073	42.2	16.5	20.8	D	B	71

### Regrooving Pattern



### Regrooving Standard

Size	Depth(mm)	Width(mm)
385/65 R22.5	3.2	8.0





















# KRD02

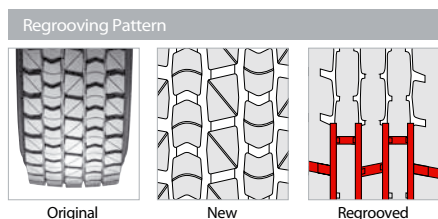


EU Labeling



- Wide and deep tread enhances cost per mile performance, driving stability and traction in highway use
- New applied edge overlap on the end of working belts improves casing durability and mileage

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling				
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"					
Tubeless																				
12	R22.5	S	152	L	16	9.00	8.25	8.30	120	3350	7390	294	11.6	1098	43.2	23.0	28.0			
		D	148								3075	6780								
11	R22.5	S	148	L	16	8.25	7.50	8.30	120	3000	6610	276	10.9	1061	41.8	20.7	26.1			
		D	145								2725	6005								
315/80R22.5		S	156(154)	L	18	9.00	9.75	8.30	120	3750	8270	312	12.3	1088	42.8	22.0	27.7	D	A	76 
		D	150(150)	(M)							3450	7610								
295/80R22.5		S	152	M	16	9.00	8.25	8.30	120	3550	7830	297	11.7	1058	41.7	21.0	26.5	D	B	76 
		D	148								3150	6945								
315/70R22.5		S	154(152)	L	16	9.00	9.75	8.65	125	3550	7830	310	12.2	1028	40.5	19.7	24.8	D	B	76 
		D	150(148)	(M)							3150	6945								
305/70R22.5		S	152(150)	L	16	9.00	8.25	8.30	120	3350	7390	298	11.7	1006	39.6	19.5	24.6	E	B	76 
		D	148(148)	(M)							3150	6940								
275/70R22.5		S	148	M	16	8.25	7.50	8.65	125	3150	6945	275	10.8	972	38.3	18.5	23.3	E	B	76 
		D	145								2900	6395								
315/60R22.5		S	152	L	16	9.00	9.75	9.00	130	3550	7830	315	12.4	961	37.8	18.5	23.3	D	B	76 
		D	148								3150	6940								
295/60R22.5		S	150(149)	K	16	9.00	9.75	9.00	130	3350	7390	286	11.3	929	36.6	19.0	23.9	D	C	76 
		D	147(146)	(L)							3075	6780								
305/70R19.5		S	148	M	16	9.00	8.25	8.65	125	3150	6945	305	12.0	932	36.7	19.0	23.9	E	C	76 
		D	145								2900	6395								
285/70R19.5		S	145	M	16	8.50	7.50	8.60	125	2900	6395	276	10.9	902	35.5	17.0	21.4	E	C	76 
		D	143								2725	6005								
265/70R19.5		S	140	M	14	7.50	6.75	7.60	110	2500	5510	264	10.4	872	34.3	16.5	20.8	E	B	76 
		D	138								2360	5205								
245/70R19.5		S	133	M	14	7.50	6.75	7.60	110	2060	4540	242	9.5	851	33.5	15.0	18.9	E	B	76 
		D	131								1985	4375								
245/70R19.5		S	136	M	16	7.50	6.75	8.30	120	2240	4940	242	9.5	851	33.5	15.0	18.9			
		D	134								2120	4670								
225/70R19.5		S	125	L	12	6.75	6.00	6.60	95	1650	3640	220	8.7	820	32.3	17.0	21.4			
		D	123								1550	3415								
9.5	R17.5	S	129	L	12	6.75	6.00	7.80	110	1850	4080	232	9.1	849	33.4	16.0	20.2	E	B	76 
		D	127								1750	3860								
9.5	R17.5	S	136	L	16	6.75	6.00	8.65	125	2240	4940	232	9.1	849	33.4	16.0	20.2			
		D	134								2120	4675								
8.5	R17.5	S	121	M	12	6.00	5.25	6.20	90	1450	3195	208	8.2	809	31.9	15.0	18.9	E	B	76 
		D	120								1400	3085								
235/75R17.5		S	132	M	14	6.75	7.50	8.00	115	2000	4410	238	9.4	805	31.7	15.5	19.5	E	B	76 
		D	130								1900	4190								
225/75R17.5		S	129	M	12	6.75	6.00	7.25	105	1850	4080	232	9.1	792	31.2	15.0	19.0	E	B	76 
		D	127								1750	3860								
215/75R17.5		S	126	M	12	6.00	6.75	7.25	105	1700	3750	216	8.5	780	30.7	15.2	19.1	E	B	76 
		D	124								1600	3530								
205/75R17.5		S	124	M	10	6.00	5.25	7.50	110	1600	3525	206	8.1	765	30.1	15.0	18.9	E	B	76 
		D	122								1500	3305								
Tube Type																				
11.00	R20	S	150	K	16	8.00	8.50	8.30	120	3350	7390	294	11.6	1098	43.2	23.0	28.0			
		D	146								3075	6780								



Regrooving Standard					
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	8.0Width(mm)
12 R22.5	3.0	7.0	315/60 R22.5	3.0	7.0
11 R22.5	3.0	7.0	295/60 R22.5	3.0	7.0
315/80 R22.5	3.0	7.0	305/70 R19.5	3.0	7.0
295/80 R22.5	3.0	7.0	285/70 R19.5	3.0	7.0
315/70 R22.5	3.0	7.0	265/70 R19.5	3.0	7.0
305/70 R22.5	3.0	7.0	245/70 R19.5	3.0	7.0
275/70 R22.5	3.0	7.0	11.00 R20	3.0	8.0

# KRD50



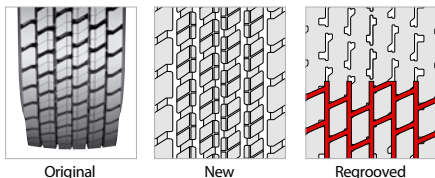
EU Labeling



- Even wear performance for increased mileage
- Excellent braking and traction performance

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling				
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"					
Tubeless																				
12 R22.5	S	152	L	16	9.00	8.25	8.30	120	3350	7390	294	11.6	1100	43.3	23.5	28.0	E	C	73	
	D	148																		
315/80R22.5	S	156(154)	L	18	9.00	9.75	8.30	120	3750	8270	312	12.3	1092	43.0	23.0	29.0				
	D	150(150)	(M)																	
295/80R22.5	S	152	M	16	9.00	8.25	8.30	120	3550	7830	300	11.8	1062	41.8	23.0	29.0				
	D	148																		
315/70R22.5	S	154(152)	L	16	9.00	9.75	9.00	130	3750	8270	314	12.4	1024	40.3	18.5	23.3	D	C	73	
	D	150(148)	(M)																	
315/60R22.5	S	152	L	16	9.00	9.75	9.00	130	3550	7830	316	12.4	962	37.9	19.0	23.9	D	B	73	
	D	148																		
295/60R22.5	S	150(149)	K	16	9.00	9.75	9.00	130	3350	7390	288	11.3	929	36.6	19.0	23.9	D	C	73	
	D	147(146)	(L)																	

### Regrooving Pattern



### Regrooving Standard

Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
12 R22.5	3.0	8.0	315/70 R22.5	3.0	8.0
315/80 R22.5	3.0	8.0	315/60 R22.5	3.0	8.0
295/80 R22.5	3.0	8.0	295/60 R22.5	3.0	8.0

## Features & Benefits



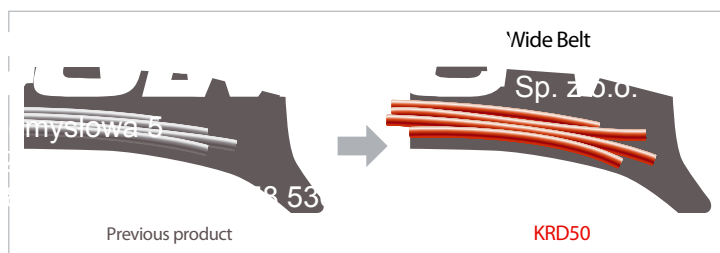
### Optimized pattern

- Improving mileage and wear performance
- Prevention of irregular wear



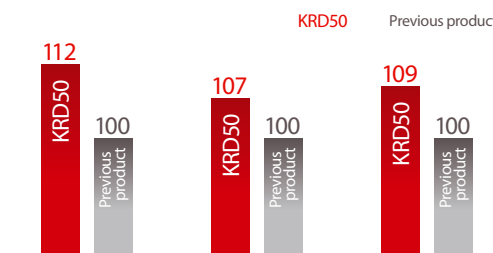
### Apply tie-bar & wide width

- Improving stiffness of block
- Prevention of irregular wear



### Wide belt width & dual tread radius

- Improving mileage
- Improving even wear performance



| Mileage | | Wear | | Durability |














# KRT02



EU Labeling



- Wide and deep tread enhances cost per mile performance and driving stability in highway service
- New applied edge overlap on the end of working belts improves casing durability

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling			
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"				
Tubeless																			
285/70R19.5	S	150	J	18	8.50	7.50	9.0	130	3350	7390	276	10.9	895	35.2	14.0	17.6	D	C	74 
	D	148							3150	6940									
265/70R19.5	S	143	J	18	7.50	6.75	8.7	125	2725	6010	253	10.0	870	34.3	13.5	17.0	D	B	74 
	D	141							2575	5680									
245/70R19.5	S	143	J	18	7.50	6.75	8.7	125	2725	6005	242	9.5	848	33.4	14.0	17.6	D	B	74 
	D	141							2575	5675									
9.5 R17.5	S	143	J	16	6.75	6.00	8.7	125	2725	6005	232	9.1	843	33.2	13.0	16.4	D	B	74 
	D	141							2575	5675									
235/75R17.5	S	143	J	16	6.75	7.50	8.7	125	2725	6005	238	9.4	801	31.5	13.5	17.0	E	A	74 
	D	141							2575	5675									
235/75R17.5	S	143	J	18	6.75	7.50	8.7	125	2725	6005	238	9.4	801	31.5	13.5	17.0	E	A	74 
	D	141							2575	5675									
215/75R17.5	S	135	J	16	6.00	6.75	8.7	125	2180	4805	216	8.5	775	30.5	12.5	15.7	D	B	74 
	D	133							2060	4540									
245/70R17.5	S	143	J	16	7.50	6.75	8.6	125	2725	6005	251	9.9	797	31.4	13.5	17.0	D	C	74 
	D	141							2575	5675									

### Regrooving Pattern



Original

New

Regrooved

### Regrooving Standard

Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
285/70 R19.5	3.0	8.0	235/75 R17.5	2.5	6.0
265/70 R19.5	3.0	8.0	215/75 R17.5	2.5	6.0
245/70 R19.5	3.0	8.0	245/70 R17.5	2.5	6.0
9.5 R17.5	2.5	6.0	205/65 R17.5	2.5	6.0



### Tire Range & regrooving data



Long Haul



Regional



City Transit



Mixed Service



Off the Road



Winter



Durable Tires For On & Off the Road

# Mixed Service



KMA03, KMA11, KMA02,  
KMA12, KMD01, KMD31,  
KMT01+

# KMA01 (+)



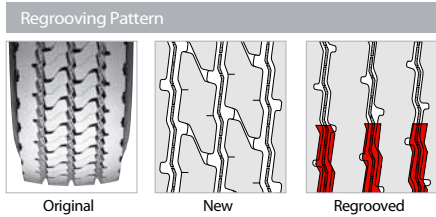
EU Labeling



- All-position tire for on and off road applications
- New belt structure for enhanced casing durability

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling				
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"					
<b>Tubeless</b>																				
11	R24.5	S	149	K	16	8.25	7.50	8.30	120	3250	7160	276	10.9	1107	43.6	18.5	23.3			
		D	146							3000	6610									
12	R22.5	S	152	K	16	9.00	8.25	8.30	120	3350	7390	294	11.6	1090	42.9	19.0	23.9			
		D	148							3075	6780									
11	R22.5	S	148	K	16	8.25	7.50	8.30	120	3000	6610	276	10.9	1056	41.6	18.5	23.3			
		D	145							2725	6005									
315/80R22.5		S	156	K	18	9.00	9.75	8.30	120	3750	8270	308	12.1	1084	42.7	18.5	23.3	D	A	70
		D	150							3450	7610									
315/80R22.5		S	156	K	20	9.00	9.75	9.00	130	4625	10200	308	12.1	1084	42.7	18.5	23.3			
		D	150							4125	9090									
295/80R22.5		S	152	K	16	9.00	8.25	8.30	120	3550	7830	299	11.8	1052	41.4	18.0	22.7			
		D	148							3150	6945									
265/70R19.5		S	143	J	18	7.50	6.75	8.65	125	2725	6010	254	10.0	874	34.4	15.5	19.5	D	B	70
		D	141							2575	5680									
225/70R19.5		S	125	L	12	6.75	6.00	6.60	95	1650	3640	220	8.7	814	32.0	14.3	18.0			
		D	123							1550	3415									

<b>Tube Type</b>																			
11.00 R20		S	150	K	16	8.00	8.50	8.30	120	3350	7390	294	11.6	1090	42.9	19.0	23.9		
		D	146							3075	6780								



<b>Regrooving Standard</b>					
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
11 R24.5	3.0	8.0	295/80 R22.5	3.0	8.0
12 R22.5	3.0	8.0	265/70 R19.5	3.0	8.0
11 R22.5	3.0	8.0	225/70 R19.5	3.0	8.0
315/80 R22.5	3.0	8.0	11.00 R20	3.0	8.0

KMA01+

# KMA11



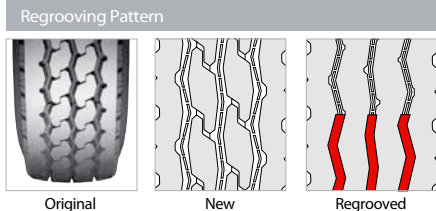
EU Labeling



- All position tire for construction site or highway use
- Dual tie-bar and wide footprint provide longer lasting tread life

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling				
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"					
<b>Tubeless</b>																				
13	R22.5	S	156	K	18	9.75	9.00	8.3	120	3720	8210	319	12.6	1130	44.5	18.5	23.3	D	B	73
		D	150							3270	7200									
12	R22.5	S	152	K	16	9.00	8.25	8.3	120	3350	7390	292	11.5	1090	42.9	18.5	23.3			
		D	148							3075	6780									
275/80R22.5		S	149	K	16	8.25	7.50	8.3	120	3250	7160	287	11.3	1035	40.7	17.5	22.0			
		D	146							3000	6610									
275/70R22.5		S	148	K	16	9.00	8.70	9.0	130	3150	6945	277	10.9	973	38.3	18.5	23.3			
		D	145							2900	6395									

<b>Tube Type</b>																			
11.00R20		S	150	K	16	8.00	8.50	8.3	120	3350	7390	295	11.6	1090	42.9	18.5	23.3		
		D	146							3075	6780								



<b>Regrooving Standard</b>					
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
13 R22.5	3.0	8.0	275/70 R22.5	3.0	8.0
12 R22.5	3.0	8.0	11.00 R20	3.0	8.0
275/80 R22.5	3.0	8.0			








# KMA03



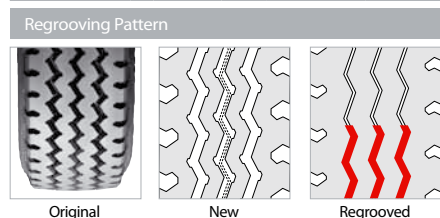
EU Labeling



- Aggressive rib/all position for both on and off road conditions
- Special groove geometry to eliminate pattern damage and stone trapping

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling			
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"				
Tubeless																			
11	R24.5	S	149	K	16	8.25	7.50	8.30	120	3250	7160	276	10.9	1107	43.6	18.5	23.3		
		D	146							3000	6610								
13	R22.5	S	156	K	18	9.75	9.00	8.25	120	3720	8210	312	12.3	1131	44.5	19.5	24.6	E	B
		D	150							3270	7200								71 
12	R22.5	S	152	K	16	9.00	8.25	8.30	120	3350	7390	292	11.5	1086	42.8	18.0	22.7	D	B
		D	148							3075	6780								71 
11	R22.5	S	148	K	16	8.25	7.50	8.30	120	3000	6610	276	10.9	1056	41.6	18.5	23.3		
		D	145							2725	6005								
10	R22.5	S	141	L	14	7.50	6.75	8.00	115	2575	5680	258	10.2	1023	40.3	14.5	18.3		
		D	139							2430	5360								
315/80R22.5		S	156	K	18	9.00	9.75	8.30	120	3750	8270	307	12.1	1083	42.6	18.0	22.7	D	B
		D	150							3450	7610								71 
315/80R22.5		S	156	K	20	9.00	9.75	9.00	130	4080	9000	307	12.1	1083	42.6	18.0	22.7	D	A
		D	150							3750	8270								71 
295/80R22.5		S	152	K	16	9.00	8.25	8.30	120	3550	7830	299	11.8	1050	41.3	18.0	22.7		
		D	148							3150	6945								

Tube Type																			
12.00	R24	S	160	K	20	8.50	9.00	8.30	125	4510	9370	301	11.9	1214	47.8	16.0	20.2		
		D	156					7.60	110	4130	8540								
11.00	R22	S	152	K	16	8.00	8.50	8.30	120	3550	7825	294	11.6	1135	44.7	15.0	18.9		
		D	149							3250	7165								
12.00	R20	S	154	K	18	8.50	9.00	8.25	120	3720	8210	312	12.3	1131	44.5	19.5	24.6		
		D	150							3270	7200								
11.00	R20	S	150	K	16	8.00	8.50	8.30	120	3350	7390	292	11.5	1086	42.8	18.0	22.7		
		D	146							3075	6780								
10.00	R20	S	148	K	16	7.50	8.00	8.30	120	3000	6610	276	10.9	1050	41.3	15.0	18.9		
		D	144							2725	6005								
9.00	R20	S	141	K	14	7.00	7.50	8.00	115	2575	5680	252	9.9	1021	40.2	15.0	18.9		
		D	139							2430	5360								



Regrooving Standard						
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)	
11 R24.5	3.0	8.0	12.00 R24	3.0	8.0	
13 R22.5	3.0	8.0	11.00 R22	3.0	8.0	
12 R22.5	3.0	8.0	12.00 R20	3.0	8.0	
11 R22.5	3.0	8.0	11.00 R20	3.0	8.0	
315/80 R22.5	3.0	8.0	10.00 R20	3.0	8.0	
295/80 R22.5	3.0	8.0	9.00 R20	3.0	8.0	

# KMA02

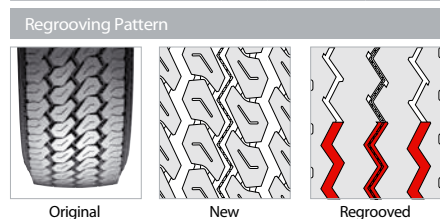


EU Labeling



- Wide footprint provides improved stability and increased mileage
- Stone ejectors on center groove improve casing durability by preventing stone damage

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling		
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
Tubeless																		
445/65 R22.5	169		K	20	13.00	14.00	8.30	120	5600	12300	439	17.3	1166	45.9	19.2	24.2	C	A
425/65 R22.5	165		K	20	12.25	13.00	8.30	120	5150	11400	407	16.0	1129	44.5	16.5	20.8	C	A
385/65 R22.5	158(160)		L(K)	18	11.75	12.25	8.30	120	4250	9370	378	14.9	1075	42.3	16.5	20.8	C	A
385/65 R22.5	160		K	20	11.75	12.25	9.00	130	4500	9920	378	14.9	1075	42.3	16.5	20.8	C	A



Regrooving Standard					
Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
445/65 R22.5	3.0	8.0	385/65 R22.5	3.0	8.0
425/65 R22.5	3.0	8.0			

# KMA12

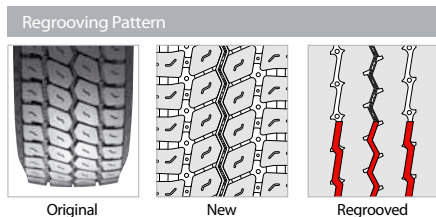


EU Labeling

- All position tire for construction site or highway use
- Dual tie-bar and wide footprint provide longer lasting tread life



Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling		
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
Tubeless																		
385/65 R22.5	158(160)	L(K)	18	11.75	12.25	8.30	120	4250	9370	378	14.9	1078	42.4	18.5	23.3			
385/65 R22.5	160	K	20	11.75	12.25	9.00	130	4500	9920	378	14.9	1078	42.4	18.5	23.3	D	B	74



Size	Depth(mm)	Width(mm)
385/65 R22.5	3.0	8.0

# KMD01



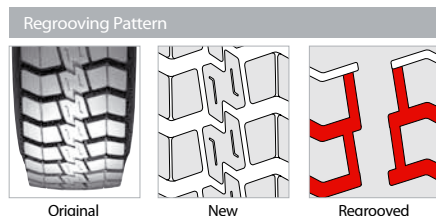
EU Labeling

- Deep and sturdy tread pattern for high mileage and good stone and mud clearance
- Stable center blocks minimize tread damage in off road service



Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling			
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"				
Tubeless																			
13	R22.5	S 156	K	18	9.75	9.00	8.3	120	3750	8270	310	12.2	1133	44.6	20.5	25.8	D	B	78
		D 150							3450	7610									
12	R22.5	S 152	K	16	9.00	8.25	8.3	120	3350	7390	292	11.5	1093	43.0	20.5	25.8	D	B	78
		D 148							3075	6780									
11	R22.5	S 148	K	16	8.25	7.50	8.3	120	3000	6610	276	10.9	1062	41.8	20.5	25.8			
		D 145							2725	6005									
315/80R22.5	R22.5	S 156	K	18	9.00	9.75	8.3	120	3750	8270	308	12.1	1088	42.8	21.5	27.1	D	B	78
		D 150							3450	7610									
315/80R22.5	R22.5	S 156	K	20	9.00	9.75	9.0	130	4080	9000	308	12.1	1088	42.8	21.5	27.1	E	A	78
		D 150							3750	8270									

Tube Type																			
12.00	R24	S 156	K	18	8.50	9.00	8.3	120	4250	9370	308	12.1	1232	48.5	19.8	24.9			
		D 153							3875	8540									
11.00	R20	S 150	K	16	8.00	8.50	8.3	120	3350	7390	292	11.5	1093	43.0	20.5	25.8			
		D 146							3075	6780									



Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
13 R22.5	3.0	12.0/8.0	315/80 R22.5	3.0	12.0/8.0
12 R22.5	3.0	12.0/8.0	12.00 R24	3.0	12.0/8.0
11 R22.5	3.0	12.0/8.0	11.00 R20	3.0	12.0/8.0

# KMD31

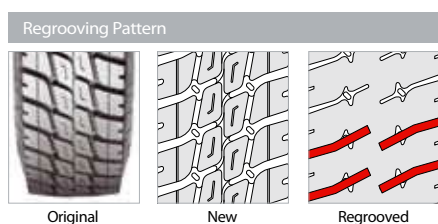


EU Labeling



- Deep and sturdy tread pattern for high mileage and good stone and mud clearance
- Stable center blocks minimize tread damage in off road service

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling				
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"					
Tubeless																				
13	R22.5	S	156	K	18	9.75	9.00	8.3	120	3750	8270	320	12.6	1133	44.6	20.5	25.8	E	B	74
		D	150																	
12	R22.5	S	152	K	16	9.00	8.25	8.3	120	3350	7390	300	11.8	1098	43.2	20.0	25.2			
		D	148																	



Regrooving Standard

Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
13 R22.5	3.0	8.0	12 R22.5	3.0	8.0

# KMT01+

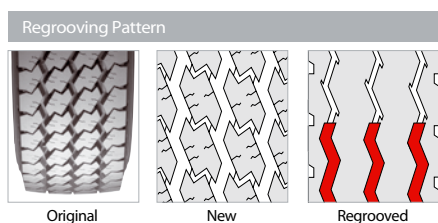


EU Labeling



- A long distance drive tire for severe On/Off road conditions
- Well-defined zigzag pattern for traction on deep snow and ice

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling				
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"					
Tubeless																				
265/70 R19.5		S	143	J	18	7.50	8.25	8.65	125	2725	6010	256	10.1	872	34.3	14.5	18.3	E	A	73
		D	141																	



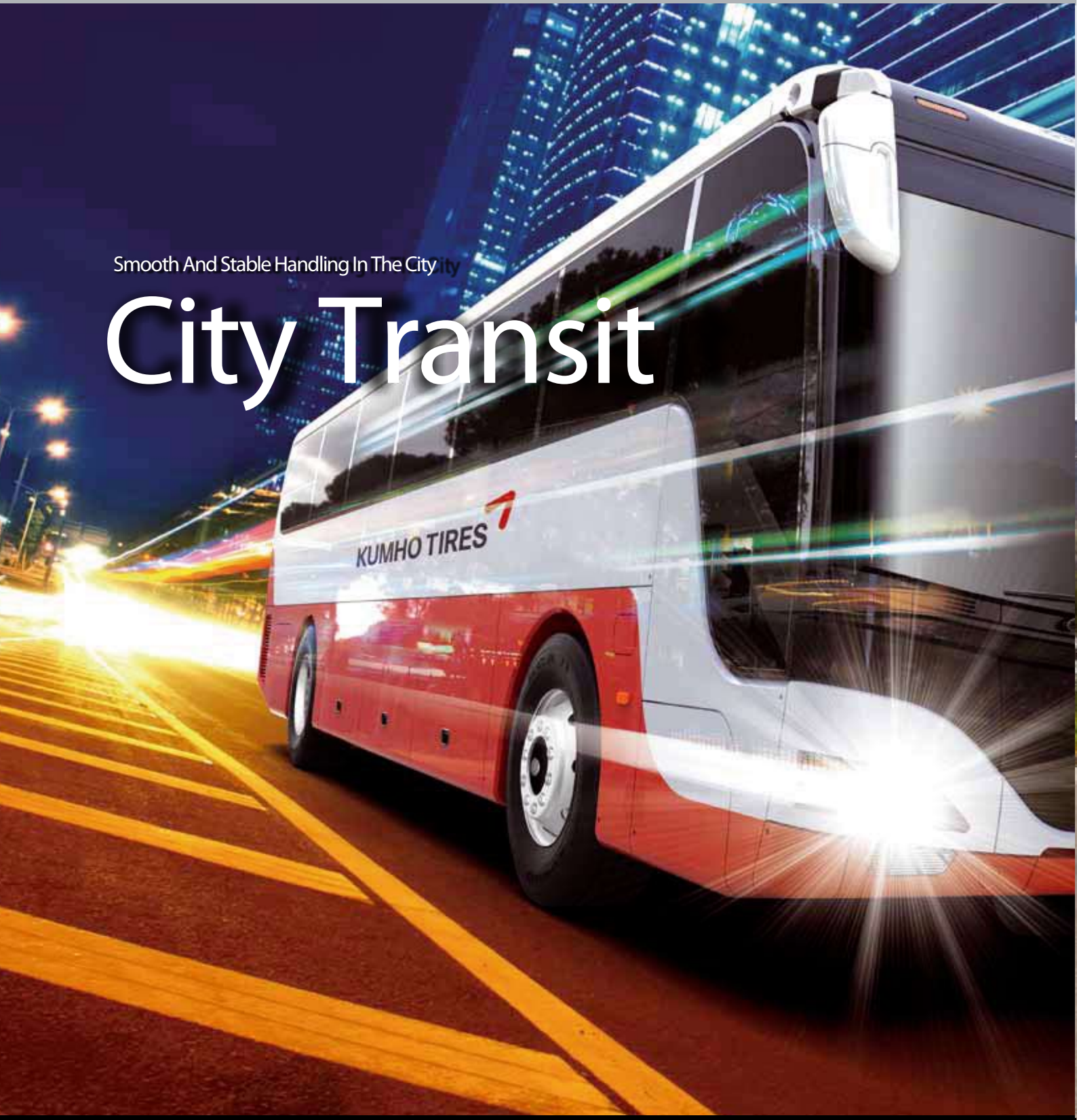
Regrooving Standard

Size	Depth(mm)	Width(mm)
265/70 R19.5	3.0	8.0



Smooth And Stable Handling In The City

# City Transit



## Tire Range & Regrooving data



Long Haul



Regional



City Transit



Mixed Service



Off the Road



Winter

KCA11



# KCA11

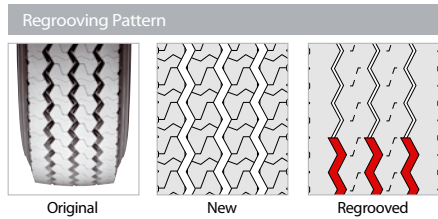


EU Labeling



- Specially designed all-position tire for urban buses
- 'Zig-Zag' two step groove minimizes rib movement and increases tire durability

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling			
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"				
<b>Tubeless</b>																			
11 R22.5	S	148	J	16	8.25	7.50	8.30	120	3000	6610	272	10.7	1059	41.7	19.5	24.6	D	C	71
	D	145							2725	6005									
295/80R22.5	S	152(154)	J	16	9.00	8.25	8.60	125	3550	7830	299	11.8	1055	41.5	19.5	24.6	D	B	71
	D	148(150)	(E)						3150	6945									
275/80R22.5	S	149(152)	J	16	8.25	7.50	8.60	125	3250	7160	275	10.8	1029	40.5	17.5	22.0	C	C	71
	D	146(148)	(E)						3000	6610									
275/70R22.5	S	148	J	16	8.25	7.50	8.65	130	3150	6945	276	10.9	968	38.1	17.0	21.4	D	C	71
	D	145							2900	6395									
<b>Tube Type</b>																			
10.00 R20	S	148	J	16	7.50	8.00	8.30	120	3000	6610	276	10.9	1058	41.7	19.2	24.2			
	D	144							2725	6005									



**Regrooving Standard**

Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
11 R22.5	3.0	8.0	275/70 R22.5	3.0	8.0
295/80 R22.5	3.0	8.0	10.00 R20	3.0	8.0
275/80 R22.5	3.0	8.0			



Powerful Braking And Traction

# Winter

## Tire Range & regrooving data



Long Haul



Regional



City Transit



Mixed Service



Off the Road



Winter

KWS01, KWD01

# KWS01

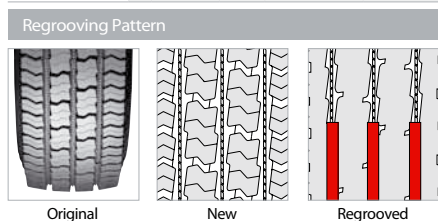


EU Labeling



- Rigid and aggressive block design for braking and traction performance
- Wide and deep tread for long mileage with noise-optimized pattern

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling		
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
Tubeless																		
385/55 R22.5	160	J	18	11.75	12.25	9.0	130	4500	9920	394	15.5	998	39.3	15.5	19.5	D	C	72
385/65 R22.5	158(160)	L(J)	18	11.75	12.25	8.6	125	4250	9370	380	15.0	1074	42.3	15.5	19.5	D	B	72
315/70 R22.5	S 154	L	16	9.00	9.75	9.0	130	3750	8270	317	12.5	1016	40.0	17.0	21.4			
	D 150	3350						7390										
315/80 R22.5	S 156	K	18	9.00	9.75	8.3	120	3750	8270	309	12.2	1084	42.7	19.0	23.9	D	B	72
	D 150							3450	7610									



Regrooving Standard

Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
385/55 R22.5	3.0	8.0	315/70 R22.5	3.0	8.0
385/65 R22.5	3.0	8.0	315/80 R22.5	3.0	8.0

2014. 2 Quarter Available

# KWD01

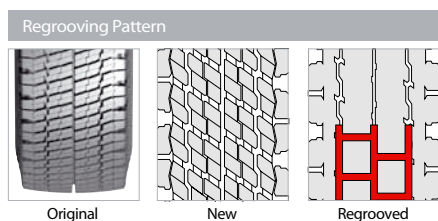


EU Labeling



- Rigid and aggressive block design for braking and traction performance
- Wide and deep tread for long mileage with noise-optimized pattern

Tire Size			Ply Rating	Measuring Rim Width	Approval Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		EU Labeling		
Size	LI	SS				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
Tubeless																		
315/70 R22.5	S 154	L	16	9.00	9.75	9.0	130	3750	8270	317	12.5	1020	40.2	21.5	27.1			
	D 150	3350						7390										
315/80 R22.5	S 154	M	18	9.00	9.75	8.3	120	3750	8270	312	12.3	1089	42.9	21.5	27.1	E	C	73
	D 150							3450	7610									
295/80 R22.5	S 152	L	16	9.00	8.25	8.3	120	3550	7830	304	12.0	1059	41.7	21.5	27.1	E	B	73
	D 148							3150	6945									



Regrooving Standard

Size	Depth(mm)	Width(mm)	Size	Depth(mm)	Width(mm)
315/70 R22.5	3.0	8.0	295/80 R22.5	3.0	8.0
315/80 R22.5	3.0	8.0			

2014. 2 Quarter Available

# Kumho Tires' Technology

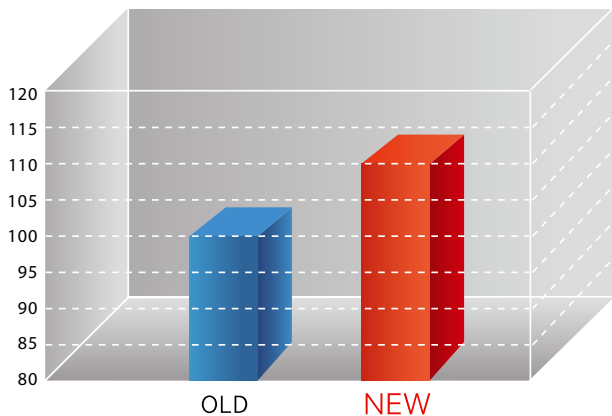
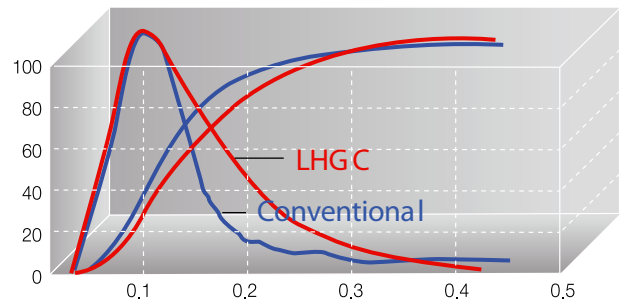
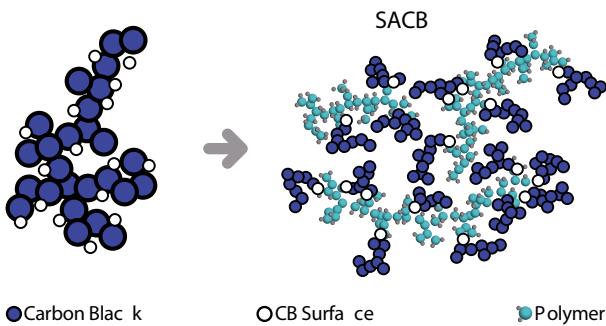
## Kumho Tires' Optimization Technology-ICOS



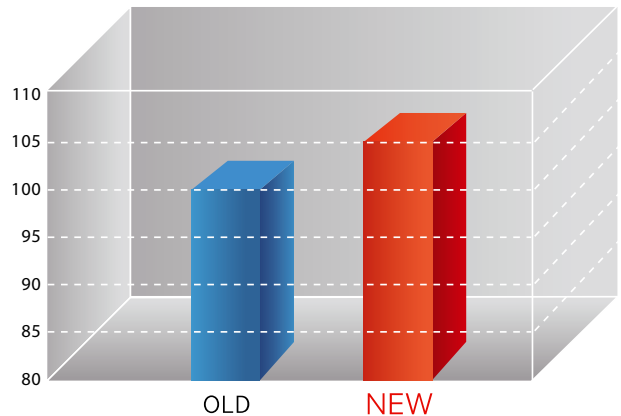
- ICOS means Intergrated Component Optimization System.
- This is the finite element design technology and optimization techniques of KUMHO
- This enhance the performance of tire through the optimal combination of shape, structure and materials. This is based on neural networks and genetic algorithms.

## New Rubber Compound Technology of KUMHO

We applied new materials, Surface Activated Carbon Black (SACB) and Low Heat Generation Carbon (LHGC), to new tread rubber.



**Improvement of wear performance**  
SACB have best dispersion in the material matrix and best cohesion with Polymer Chain to improve wear and cut & chip performance.



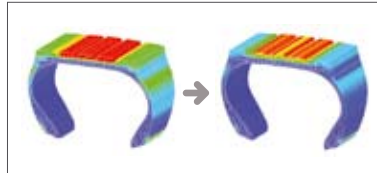
**Improvement of fuel economy**  
LHGC increase the interaction in the Polymer-Filler to improve low heat generation performance and minimize energy loss. This improve fuel economy through decreasing Rolling Resistance.



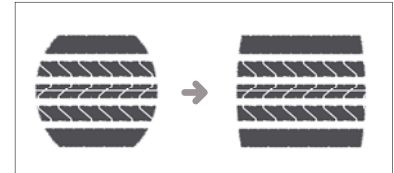
Optimization Design Technology of KUMHO



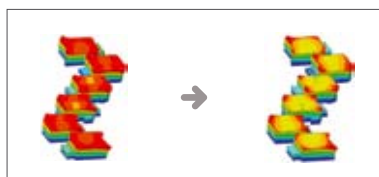
Improvement of Wear Resistance  
Strong molecular bonding in the materials



Improvement of Fuel Economy  
Low Rolling Resistance through minimization heat generation and energy loss



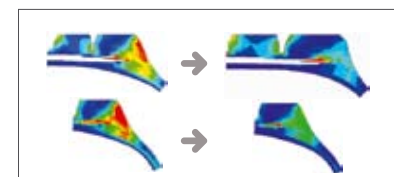
Improvement of Regular Wear  
Optimization of Foot shape



Increase of Block Stiffness  
Minimization Block shape deformation



Improvement of Bead Durability  
Minimization of strain energy in bead portion



Improvement of retread performance  
Maximization of Body durability

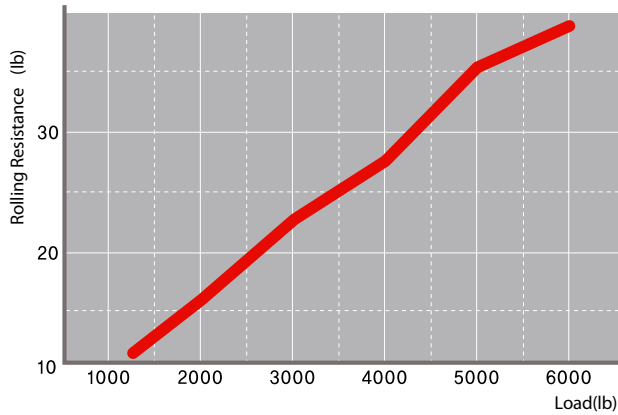
# Tire Pressure Load Table

Size	Rim Width		LR(PR)	Tire Pressure		Tire fitment	Tire Max. loads (kg) at various inflation pressures (bar / PSI)												
	Standard	Approved		bar	PSI		550 80	590 85	620 90	660 95	690 100	720 105	760 110	790 115	830 120	860 125	900 130		
Tubeless																			
17.5"	205/75 R17.5	6.00	5.25	E(10)	7.50	110	S	1230	1260	1300	1370	1440	1500	1600					
							D	1150	1200	1250	1300	1350	1400	1500					
	215/75 R17.5	6.00	6.75	F(12)	7.25	105	S	1290	1370	1450	1520	1600	1700						
							D	1250	1325	1400	1470	3530	1600						
	225/75 R17.5	6.75	6.00	F(12)	7.25	105	S	1550	1610	1670	1730	1790	1850						
							D	1470	1520	1580	1640	1690	1750						
	235/75 R17.5	6.75	7.50	G(14)	8.00	115	S	1560	1620	1690	1750	1810	1870	1940	2000				
							D	1480	1540	1600	1660	1720	1780	1840	1900				
19.5"	245/70 R19.5	7.50	6.75	G(14)	7.60	110	S	1650	1700	1770	1850	1980	2110	2240					
							D	1550	1650	1660	1750	1870	1990	2120					
				H(16)	8.30	120	S	1600	1700	1750	1850	1900	1950	2060	2170	2300			
							D	1550	1650	1700	1800	1850	1900	2000	2100	2180			
	265/70 R19.5	7.50	6.75	H(16)	7.95	115	S	1830	1980	2050	2200	2270	2350	2420	2500				
							D	1730	1870	1940	2080	2150	2220	2290	2360				
				J(18)	8.65	125	S	1840	1990	2060	2210	2280	2350	2500	2580	2650	2725		
							D	1740	1880	1950	2090	2160	2230	2360	2430	2500	2575		
	285/70 R19.5	8.50	7.50	H(16)	8.60	125	S		2110	2190	2300	2360	2440	2500	2600	2800	2900		
							D		1980	2000	2120	2150	2220	2300	2380	2570	2725		
				J(18)	9.00	130	S		2380	2490	2610	2710	2820	2930	3040	3140	3250	3350	
							D		2240	2340	2450	2550	2650	2750	2850	2950	3050	3150	
305/70 R19.5	9.00	8.25	H(16)	8.65	125	S	2240	2330	2420	2500	2610	2700	2800	2870	3000	3150			
						D	2060	2120	2200	2300	2370	2450	2575	2620	2725	2900			
22.5"	255/70 R22.5	7.50	8.25	H(16)	8.30	120	S	1900	1980	2060	2120	2220	2300	2360	2450	2500			
							D	1800	1860	1940	2000	2020	2090	2120	2230	2300			
	275/70 R22.5	8.25	7.50	H(16)	8.65	125	S			2360	2500	2650	2725	2800	2900	3075	3150		
							D			2180	2300	2430	2500	2575	2725	2800	2900		
	295/60 R22.5	9.00	9.75	H(16)	9.00	130	S		2380	2490	2610	2710	2820	2930	3040	3140	3230	3350	
							D		2190	2290	2390	2490	2590	2690	2790	2880	2970	3075	
	295/80 R22.5	9.00	8.25	H(16)	8.30	120	S	2430	2560	2690	2820	2950	3090	3220	3350	3550			
							D	2180	2300	2420	2540	2660	2780	2900	3075	3150			
	315/60 R22.5	9.00	9.75	H(16)	9.00	130	S		2460	2550	2730	2820	2910	3090	3180	3270	3370	3550	
							D		2180	2260	2420	2500	2580	2740	2830	2910	2990	3150	
	315/70 R22.5	9.00	9.75	H(16)	8.65	125	S	2460	2550	2730	2820	2910	3090	3180	3270	3370	3550		
							D	2180	2260	2420	2500	2580	2740	2830	2910	2990	3150		
	315/80 R22.5	9.00	9.75	J(18)	8.30	120	S		2910	3030	3150	3260	3370	3450	3590	3750			
							D		2650	2750	2900	2970	3070	3150	3270	3350			
		L(20)	9.00	130	S		2910	3030	3150	3260	3370	3450	3590	3750	3980	4080			
					D		2650	2750	2900	2970	3070	3150	3270	3450	3620	3750			
	385/55 R22.5	11.75	12.25	L(20)	9.00	130	S		2940	3050	3260	3370	3480	3700	3810	3920	4040	4500	
385/65 R22.5	11.75	12.25	J(18)	8.30	120	S	3150	3350	3470	3650	3740	3850	4000	4100	4250				
425/65 R22.5	12.25	12.25	L(20)	9.00	130	S		3200	3350	3500	3640	3790	3930	4080	4220	4360	4500		
445/65 R22.5	14.00	13.00	L(20)	8.30	120	S	3750	3980	4130	4250	4440	4580	4750	4880	5150				
24.5"	11 R24.5	8.25	7.50	H(16)	8.30	120	S	2410	2520	2650	2770	2890	3000	3080	3160	3250			
							D	2300	2390	2500	2580	2660	2725	2820	2910	3000			

# Vehicle Fuel Economy Guide

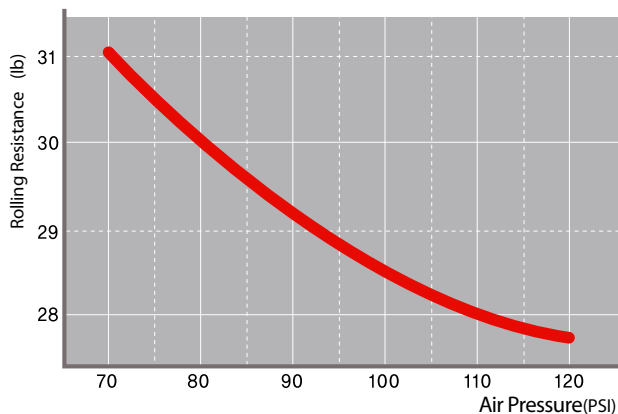
## Load and rolling resistance

RR is increased depend on increasing load



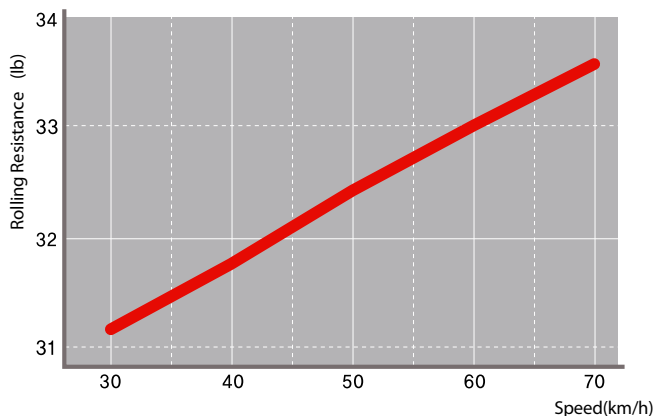
## Air Pressure and rolling resistance

Generation of durability problem and decreasing fuel efficiency in using low air pressure



## Speed and rolling resistance

Much of the fuel consumption by increasing RR through speed up



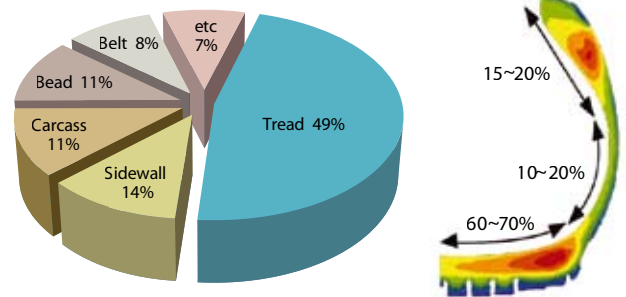
## Tire and fuel efficiency

### 1 Tire RR Guide

- Radial tire have better RR result than bias.
- Super single radial tire have better RR than conventional dual tire

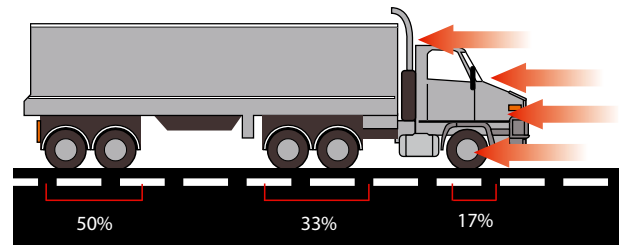
### 2 Influence of tire classification

- Tubeless tire have better RR than tubetype.
- Low profile(series) tire have better RR than conventional(high series)

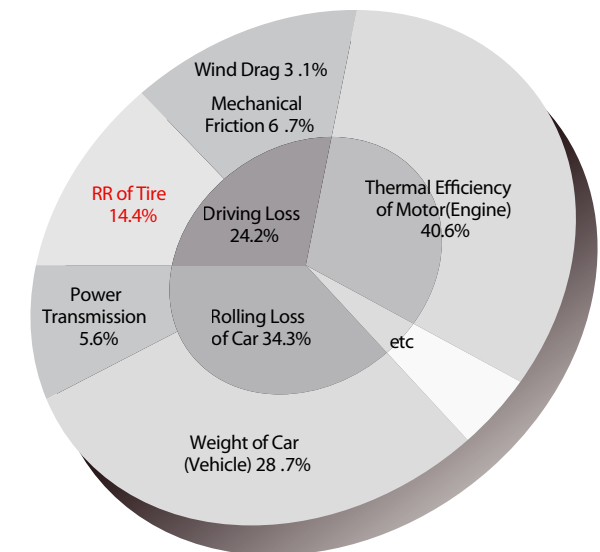


### 3 Influence of each axle

- Rear axle have most influence to RR. So the selection of rear axle tire is very important.



### 4 Influence of tire on fuel efficiency



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